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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/040,963
	Filing Date	1/5/2002
	First Named Inventor	Steven Teig
	Group Art Unit	2825
	Examiner Name	Vuthe Siek
Total Number of Pages in This Submission	Attorney Docket Number	SPLX.P0023

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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm Or Individual name	Gregory Suh, Reg. No. 48,187 of Statter Johansen & Adeli LLP
Signature	
Date	March 15, 2004

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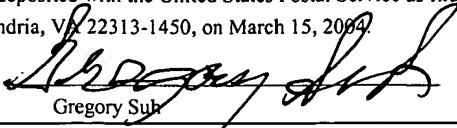
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PATENT
Docket No. SPLX.P0023

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Gregory Suh

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of:

Steven Teig

Serial No.: 10/040,963

Filing Date: 1/5/2002

For: ROUTING METHOD AND
APPARATUS

Examiner: Vuthe Siek

Group Art Unit: 2825

INFORMATION DISCLOSURE
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Commissioner for Patents
P.O. Box 1450
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Dear Sir:

Pursuant to 37 C.F.R. § 1.97 and § 1.98, applicants submit with this Information Disclosure Statement the attached Form PTO-1449, and copies of the documents listed in the 1449 form for consideration by the Examiner. The Examiner is requested to make these documents of record. Applicants would appreciate the Examiner initialing and returning the Form PTO-1449, indicating that the information has been considered and made of record herein.

03/19/2004 FMEK11 00000022 10040963

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This Information Disclosure Statement is submitted after receipt of a first Office Action on the merits but before the Final Office Action. Accordingly, a fee is required. The requisite fee is attached.

This Information Disclosure Statement under 37 C.F.R. § 1.97 is not to be construed as a representation that: (i) a complete search has been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the above information constitutes prior art to the subject invention.

However, in the unlikely event that the Patent Office determines that additional fees, extension and/or other relief is required, applicant petitions for any required relief including extensions of time and authorizes the Assistant Commissioner to charge the cost of such petitions and/or other fees due in connection with the filing of this document to **Deposit Account No. 50-1128** referencing **SPLX.P0023**. However, the Assistant Commissioner is not authorized to charge the cost of the issue fee to the Deposit Account.

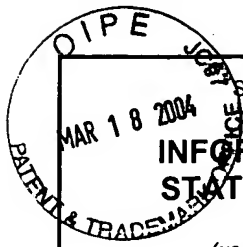
Dated: March 15, 2004

Respectfully submitted,

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	10/040,963
				Filing Date	1/5/2002
				First Named Inventor	Steven Teig
				Group Art Unit	2825
				Examiner Name	Vuthe Siek
Sheet	1	of	1	Attorney Docket Number	SPLX.P0023

U.S. PATENT DOCUMENTS

Examiner* Initials	Cite No. ¹	U.S. Patent Document		Date of Publication MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	1.	2003/0121017	A1	06-26-2003	Andreev et al.	
	2.	6,088,519		07-11-2000	Koford	

NON PATENT LITERATURE DOCUMENTS

Examiner* Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
	3.	Chen et al., Optimal Algorithms for Bubble Sort Based Non-Manhattan Channel Routing, May 1994, Computer-Aided Design of Integrated Circuits and Systems, IEEE Transactions Volume: 13 Issues, pp. 603-609.	
	4.	Cong, J. et al., Multilevel Approach to Full Chip Gridless Routing, 11/2001, IEEE, pp. 396-403.	
	5.	Yan et al., Three-Layer Bubble-Sorting -Based Non-Manhattan Channel Routing, ACM Transactions on Design Automation of Electronic Systems, Vol. 5, No. 3, July 2000, pp.726-734.	

Examiner Signature		Date Considered	
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* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number(optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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